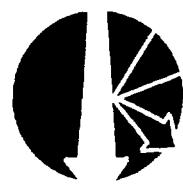




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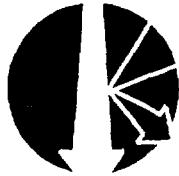
Slurry Systems Inc.
THE DRIVING FORCESM

**FINAL COMPLETION REPORT
FOR
VIBRATED BEAM SLURRY WALL**

**ENVIRO-CHEM CORPORATION
ZIONSVILLE, IN**

PREPARED BY

SLURRY SYSTEMS INC.



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FOR
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**ENVIRO-CHEM CORPORATION
ZIONSVILLE, IN**

PREPARED BY

SLURRY SYSTEMS INC. (SSI)

August 2006

Revised September 2006

Slurry Systems, Inc. certifies that its vibrated beam slurry wall installation complies with the Contract Documents, inclusive of its quality control measures. Information in this report relative to the PRGS carrier pipe installation and concrete culvert replacement was supplied by Environ and Slurry Systems, Inc. bears no liability as to its accuracy.



Background. This report describes Slurry Systems', Inc. (SSI's) thin barrier curtain wall ("TBCW") installation with the vibrated beam at the Enviro-Chem site in Zionsville, IN. The TBCW was designed to use IMPERMIX® slurry with an in situ permeability of 1×10^{-7} cm/sec or less. A total of 22,923 square feet of TBCW was constructed from May 15th, 2006 through May 25th, 2006. Slurry Systems, Inc. superintendent for the project was Mr. James Wallace (United Brotherhood of Carpenter's Pile Driver Local 578). Our in-house crane operator was Lyle Prentice (International Union of Operating Engineers Local 150). The Schneider Corporation of Indianapolis, IN performed the surveying work on the site, inclusive of wall-staking and preparation of as-builts.

Appendix A contains the four permeability laboratory results, Appendix B contains field reports, and Appendix C contains the as-built of the TBCW.

Construction Procedure. Site preparation activities, by Handex or Environ on behalf of the Trust, included the following tasks:

- Field location of utilities (SSI did contact IUPPS independently.)
- Confirmation of approved water source & its storage, 20,000 gallons per day
- Set-up of sanitation facilities
- Installing erosion and sedimentation controls, e.g. silt fence
- Installing project sign and safety signs, if required
- Removal of electrical lines per OSHA standards which interfere with our construction of the TBCW
- Construction of dry, level, & stable gravel work platform, 15' to 18' in width, along TBCW alignment, inclusive of a 90' overhead clearance, capable of withstanding heavy equipment loads. The final elevation of the work platform was a minimum of 3 feet above the groundwater table.
- Construction of the 2' x 2' reservoir trench along the TBCW alignment with dams every 50'
- Removal of fence
- Maintaining of decontamination pad, inclusive of managing/disposing of water & used PPE

SSI utilized its Liebherr Crane 853 HD, PTC 60 HD, specially fabricated vibrated beam, and specially fabricated high speed/high sheer colloidal mixing plant during the TBCW construction. The beam was marked every foot for easy identification of actual depth. After the vibrated beam attained its required depth in the Design Report, the beam was extracted at a controlled rate to fill the void left by the beam extraction, creating an in-ground panel of slurry. This process was repeated along the line of the wall, with each beam insertion overlapping the previously inserted panel. The continuous TBCW was created by overlapping each 33-inch beam penetration (panel) by a minimum of 17 inches. The subsequent beam insertions overlap the previous by a total of 17 inches (14

inches of fin, plus 3 inches of I-beam). The proper distance was measured for each beam penetration.

It was intended for SSI to begin continuous wall installation at STA 0+00 and move counterclockwise finishing at STA 10+35.1. To accommodate the Trust and the intended media coverage of the site, SSI made a few site moves as requested. Continuity of the TBCW was ensured through its overlap procedure as mentioned above. Wall verticality was maintained by two principles: (1) the beam was checked prior to each penetration for verticality with a 4-foot hand level, and (2) the beam takes the path of least resistance as it penetrates the ground.

The width of the TBCW was verified by calculation. SSI compared the square foot production in relation to the volume of slurry produced to give an average wall thickness for that day. The wall was required to have a minimum width of 4 inches. The installed TBCW met this criteria, please reference the following table:

Table 1. Slurry Systems, Inc. Vibrated Beam Production Summary

Date	Avg. Depth (Ft)	Linear Footage		Square Footage		Slurry Volume (Ft ³)		Width (In)
	Daily	Daily	To Date	Daily	To Date	Daily	To Date	Daily
								calculated
05/15/06	22.04	61.8	61.8	1362.1	1362.1	486	486.0	4.3
05/16/06	21.32	87.2	149.0	1859.1	3221.2	891	1377.0	5.8
05/17/06	19.134	160.3	309.3	3067.2	6288.4	1053	2430.0	4.1
05/18/06	17.74	131.3	440.6	2329.3	8617.6	1053	3483.0	5.4
05/19/06	22.92	156.0	596.6	3575.5	12193.1	1296	4779.0	4.3
05/20/06	26.57	88.6	685.2	2354.1	14547.2	891	5670.0	4.5
05/22/06	25.74	74.3	759.5	1912.5	16459.7	810	6480.0	5.1
05/23/06	21.86	105.1	864.6	2297.5	18757.2	891	7371.0	4.7
05/24/06	23.19	136.4	1001.0	3163.1	21920.3	1134	8505.0	4.3
05/25/06	23.88	42.0	1043.0	1003.0	22923.3	567	9072.0	6.8

All work was performed in Level D with some modifications: ear plugs, safety glasses, hard hats, work boots with over boots and Tyvek suits. The person breaking the bags wore respiratory protection.

In addition to the construction of the TBCW, SSI was contracted to mix additional slurry for the repair of two different areas along the TBCW which accommodated a carrier pipe installation and the replacement of two concrete culvert pipes. These repairs are detailed further:

PRGS Carrier Pipe Installation. A carrier pipe for the permeable reactive gate system (PRGS) system was installed on May 31st, 2006 by others through the TBCW near the Southeastern corner of the Site. The PRGS carrier pipe is 12 inch diameter HDPE, large enough to accommodate the largest conceivable diameter PRGS pipe. The pipe was installed so that the crown is below elevation of 876 feet below mean sea level. A water stop was included near the midpoint of the pipe. The ends are temporarily sealed with end caps. To allow for that installation, the TBCW in this area was excavated, carrier pipe installed, and the TBCW wall was repaired by SSI between 5 and 7 days after initial installation of TBCW. The 5 to 7 day window was selected to ensure a good bond between the original slurry and the new slurry.

The repaired section of the wall was constructed by SSI with the same slurry mixture used to construct the TBCW with an *in situ* permeability of 10^{-7} cm/sec. The repaired section of the wall extended from at least one foot below the invert of the PRGS carrier pipe (EL 875) to the base of the reservoir trench, 2' below current ground surface. The repaired section of the wall extended from the centerline of the carrier pipe to a distance of at least 3 feet on either side of the center line of the pipe and from the centerline of the original TBCW to a distance of at least 3 feet on either side of the original wall.

Concrete Culvert Pipe Replacement. The TBCW needed to cross two existing concrete culvert pipes near the southwest corner of the Site. The concrete culvert pipes were temporarily removed by Handex where the intersection occurs. After SSI constructed the TBCW wall through this area, the TBCW was excavated by Handex for the replacement of the two concrete culvert pipes. The new concrete pipe replacement sections were installed on May 31st, 2006. The west side was fit into the existing pipe with a new rubber gasket. The west end was attached to the existing pipe using a metal sleeve with butyl adhesive sealant around and between the metal sleeve and the new & old sections.

The TBCW wall was repaired by SSI between 5 and 7 days after initial installation of TBCW. The repaired section of the wall was constructed by SSI with the same slurry mixture used to construct the TBCW with an *in situ* permeability of 10^{-7} cm/sec. The repaired section of the wall extended from at least one foot below the invert of the two concrete culvert pipes to the base of the reservoir trench. The repaired section of the wall extended from the centerline of each concrete culvert pipe outward to a distance of at least 3 feet and from the centerline of the original TBCW to a distance of at least 5 feet on either side of the original wall. The space between the two concrete culvert pipes was also filled with the same slurry mixture used to construct the TBCW.

After the completion of the TBCW operations, all remaining material and slurry was removed from the ground surface in the construction area, including the mixing areas.

Handex or Environ on behalf of the Trust was responsible to complete the following activities:

- Removal of work platform, if desired
- Repair to cap of the existing land treatment cell, if required
- Proper disposal of decontamination water & PPE
- Replacement of fence that was taken down for TBCW construction
- Removal of silt fence
- Construction of cap for the TBCW, inclusive of excavation for the cap & its backfilling
- Reconnection of the electrical lines
- Installation of piezometers

Slurry. The IMPERMIX® slurry was mixed in a 3yd³ mixing plant manufactured by SSI located on the job site and the materials, subsequently, were deposited directly into their final *in situ* position. Per 3yd³ batch, the following materials were used:

- Attapulgite Clay, 300# (50#/bag, therefore, 6 bags)
- Slag Cement, 560# (80#/bag, therefore, 7 bags)
- Water, approx. 580 gallons

The IMPERMIX® slurry when mixed achieved:

SUBJECT	STANDARD	TYPE OF TEST	MINIMUM TESTING FREQUENCY	SPECIFIED VALUE
IMPERMIX® - as mixed	API RP 13B	Field Tests (daily batchplant reports): Density (lbs/ft ³) Viscosity, Marsh (seconds)	Every 20,000 gallons or twice daily (whichever is greater)	68 to 75 lbs/ft ³ Greater than or equal to 35 seconds
Slurry-In Wall	Hydraulic conductivity	Laboratory Test (final completion report): ASTM D 5084	every 300 LF of wall	Less than or equal to 1x10 ⁻⁷ cm/sec, after 60 days of setting

The samples for the field tests were taken at the mixing plant directly from the holding tank. The samples for the laboratory tests were taken at the beam from the slurry bypass.

Geo-Testing Services, Inc. of Totowa, NJ was the laboratory which performed the permeability tests. Samples were taken at 1+45, 4+50, 7+14, and 10+40. The results are as follows:

<u>Sample I.D.</u>	<u>Permeability</u>
1+45	3.4×10^{-9} cm/sec
4+50	3.6×10^{-9} cm/sec
7+14	2.6×10^{-9} cm/sec
10+50	1.8×10^{-8} cm/sec

Please reference Appendix A for the "Summary of Laboratory Permeability Test Performed on Cured Samples" and each individual permeability test.

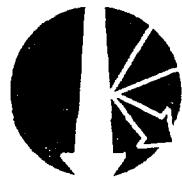
Submittals. SSI submitted all of its pre-construction submittals with proper approval, inclusive of Construction Work Plan, Work Schedule, Site Specific Health & Safety Plan, and IMPERMIX® Supplier & Material Specifications. In addition, SSI submitted all of its contractor construction submittals, inclusive of laboratory tests (included herein with this report), field tests (on daily reports), trench bottom profiles (on daily reports) and material certifications (available as shipped to project). This report is the final completion report which is the only post construction submittal required.

SSI kept detailed and accurate records of the mixing plant and vibrated beam production during installation of the TBCW. The Daily Work Reports required the signature of the Trust Engineer's on-site representative. Copies of the following reports are attached as Appendix B, which were submitted in the field to the Trust Engineer's on-site representative:

- Daily Work Report
- Daily Vibrated Beam Production*
- Daily Batchplant Production
- Vibrated Beam Production Summary (not daily)
- Material Control (not daily)

* Production records during driving of the vibrated beam included an accurate record of the total penetration depth of each beam drive, maximum depth of penetration of each beam, a record of the driving pressure, and changes in slurry pressure versus depth for each beam.

Appendix C contains the as-built for the plan view of the slurry wall, as well as the existing profile at the TBCW line.



Slurry Systems Inc.
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APPENDIX A:
LABORATORY PERMEABILITY TEST RESULTS

**FINAL COMPLETION REPORT
FOR
VIBRATED BEAM SLURRY WALL**

**ENVIRO-CHEM CORPORATION
ZIONSVILLE, IN**

SUMMARY OF LABORATORY PERMEABILITY TESTS PERFORMED ON CURED SAMPLES

PERMEABILITY TEST: FALLING HEAD - CONSTANT VOLUME U-TUBE

Project No.: 31737881		ASTM D 5084 - 90		Test No.: P7784		
Project Name: Slurry Systems		BORING: 4+50	SAMPLE: 5/20/06	DEPTH (ft):		
Specimen - Apparatus set-up - Test Information						
Preliminary Length/Area Calculations $L_0 = 3.997 \text{ in}$ $dL_C = 0.028 \text{ in}$ $L_C = 3.969 \text{ in}$ $dV_C = 3 V_0 * (dL_C/L_0)$ $S_C = 0.225 \text{ cm}^{-1}$		Cell No. 3 1) Specimen Tested in: 2) Specimen orientation for: 3) During saturation: Water flushed up sides of specimen to remove air 4) During consolidation: 5) Direction of permeant: 6) Permeant: water used or or Consol. Temp. Stage-Trial No. ° C initial 22.5 final 23.0 1 RT = 0.937 initial 23.0 final 23.0 2 RT = 0.931 initial 23.0 final 22.1 3 RT = 0.942 initial 22.1 final 22.7 4 RT = 0.946	Apparatus No. 3 x Triaxial Cell or with stones or x Vertical or x Top and bottom drainage or x Up during or x Tap x Demineralized	Stage No.: 3 Compaction Mold or Stones with filter paper or Horizontal permeability determination x No Top Bottom only		
Equations Used $K_t = -0.0000755 * S_c/dT(\text{min}) * \ln(h_o/h_f)$ $RT = (-0.02452^*(\text{ave. temp in } C) + 1.495)$ $K @ 20^\circ C = RT * K_t$ $\text{TubeC} = 1.3132$						
TEST SUMMARY						
Final Specimen and Test Conditions						
$L_C = 10.080 \text{ cm}$ $A_C = 45.123 \text{ cm}^2$ $V_C = 454.85 \text{ cm}^3$ $S_C = 0.223 \text{ cm}^{-1}$		$\varepsilon_{\text{vol}} = 1.4\%$ $S_C = L_C / A_C, \text{ final}$	$\sigma'_c = 0.7\%$ $\sigma'_c = 1.4 \text{ ksf}$ $\sigma'_c = 1.4 \text{ ksf}$ $\sigma'_c = 1.4 \text{ ksf}$ $\sigma'_c = 1.4 \text{ ksf}$	Initial Time hr min sec 00 10 12 00 00 13 44 00 00 212.00 min 00 13 47 00 00 17 24 00 00 217.00 min 00 17 26 00 00 09 21 00 00 3835.00 min 00 09 30 00 00 13 04 00 00 214.00 min	Initial U-tube Reading Flow Final at 20°C cm/sec in/out gradient Dev. from Ave.	
w (%)	γ_r (pcf)	γ_d (%)	S (%)			
Initial 443.13	69.7	12.8	98.6			
Pre Test 442.65	70.6	13.0	100.0			
HYDRAULIC CONDUCTIVITY SUMMARY						
Averages for trials: 1-4						
ave K @ 20 °C: 3.63E-09 cm/sec						
(i _o)ave = 23.0						
Tested By: DT	Reviewed By: G. Thomas					

PERMEABILITY TEST: FALLING HEAD - CONSTANT VOLUME U-TUBE

ASTM D 5084 - 90

Project No.: 31737881

Project Name: Slurry Systems

BORING: 7+14

SAMPLE: 5/18/2006

DEPTH (ft):

Test No.: P7782

Specimen - Apparatus set-up - Test Information

Cell No. P-3

Apparatus No. 1

Stage No.: 3

Preliminary Length/Area Calculations

Specimen Tested in :

Compaction Mold or

Triaxial Cell or

Stones with filter paper or

with stones or

top + bottom

x

Vertical or

x

Horizontal permeability determination

x

Specimen orientation for:

x

Water flushed up sides of specimen to remove air

x

Top and bottom drainage or

x

Up during or

x

Down during permeation

x

Tap

x

Distilled

x

0.005 N calcium sulfate (CaSO4)

x

Demineralized

x

Permeant: water used

x

or

Final Specimen and Test Conditions

Specimen Tested in :

Compaction Mold or

Triaxial Cell or

Stones with filter paper or

with stones or

top + bottom

x

Vertical or

x

Horizontal permeability determination

x

Specimen orientation for:

x

Water flushed up sides of specimen to remove air

x

Top and bottom drainage or

x

Up during or

x

Down during permeation

x

Tap

x

Distilled

x

0.005 N calcium sulfate (CaSO4)

x

Permeant: water used

x

or

PERMEABILITY TEST: FALLING HEAD - CONSTANT VOLUME U-TUBE

ASTM D 5084 - 90

Project No.: 311737881

Project Name:

BORING: 10+40

SAMPLE: 5/16/2006 DEPTH (ft):

Test No.: P7785

Specimen - Apparatus set-up - Test Information

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Preliminary Length/Area Calculations

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Specimen Tested in :

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Specimen orientation for:

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Water flushed up sides of specimen to remove air:

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

During consolidation:

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Direction of permeant:

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Permeant: water used or

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Equations Used

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Final Specimen and Test Conditions

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

TEST SUMMARY

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Final Specimen and Test Conditions

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Final Specimen and Test Conditions

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Final Specimen and Test Conditions

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Final Specimen and Test Conditions

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Final Specimen and Test Conditions

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Final Specimen and Test Conditions

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Final Specimen and Test Conditions

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Final Specimen and Test Conditions

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Final Specimen and Test Conditions

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Final Specimen and Test Conditions

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Final Specimen and Test Conditions

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Final Specimen and Test Conditions

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Final Specimen and Test Conditions

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Final Specimen and Test Conditions

Cell No.

H-5

Apparatus No.

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Stage No.: 3

Final Specimen and Test Conditions

Cell No.

H-5

Apparatus No.

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Stage No.: 3

Final Specimen and Test Conditions

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Final Specimen and Test Conditions

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Final Specimen and Test Conditions

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Final Specimen and Test Conditions

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Final Specimen and Test Conditions

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Final Specimen and Test Conditions

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Final Specimen and Test Conditions

Cell No.

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Apparatus No.

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Stage No.: 3

Final Specimen and Test Conditions

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Stage No.: 3

Final Specimen and Test Conditions

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Final Specimen and Test Conditions

Cell No.

H-5

Apparatus No.

4

Stage No.: 3

Final Specimen and Test Conditions

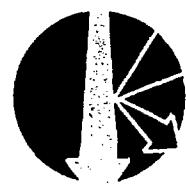
Cell No.

H-5

Apparatus No.

4

Stage No.: 3



Slurry Systems^{Inc.}
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**APPENDIX B:
FIELD REPORTS**

**FINAL COMPLETION REPORT
FOR
VIBRATED BEAM SLURRY WALL**

**ENVIRO-CHEM CORPORATION
ZIONSVILLE, IN**

Slurry Systems, Inc. Daily Work Report No. 1

Job No. 026-05VBS-IN

Date 5/10/06Page 1 of 1

SU M TU W TH F SA

Daily Notes

ARRIVED on site, Rec'd one ton, STARTED
 Running Hoses, setting up Batch Plant
 Rig ARRIVED 2:30pm unloaded Rig
 Hired Handex men, Two STARTED 10:30am to 3:30pm
 one LABOR, one oiler, Shut Down 4:30,
 Trailer with Tools DID NOT ARRIVE.

Vibrated Beam Production			
ITEM	NEW	REDO	TOTAL
Linear Feet			
Average Depth			
Square Feet			
Slurry Cubic Feet			

Start Station (from Plans)	
Stop Station (from Plans)	

Labor			
POSITION	Hrs/Day	QTY.	Total Hrs
Foreman	8/1	1	8
Pile Driver	8/1	2	16
LABOR	5.5/1	1	5.5
Other	5.5/1	1	5.5
Oper.	8/1	2	16

Rented Equipment			
TYPE	Hrs/Day	QTY.	Total Hrs

PROJECT FOREMAN: J. Wallace

APPROVED BY: _____

Slurry Systems, Inc. Daily Work Report No. 2

Job No. 026-05VBS-IN

Date 5/11/06SU M TU W TH F SAPage 1 of _____

Daily Notes

United on site at 7:00 AM Refused Delivery, was 8½ ton small rig, should have been 30 ton Picker, call RH MARTIN order 30 ton will be delivered on Friday morning. RSC DROP OFF FORKLIFT 7:00 AM HRS. 3.39. Put Boom in Rig, started unloading trailers, deck one trailer for pick up, put leads together, pulled shovels out for block, mounted brkt. for platform. Received last load from yard.

Received Cane 30 ton Rig 4224.4 Hrs.
Handyman is pulling three men out
one left at 12:00 other at 5:00

Vibrated Beam Production			
ITEM	NEW	REDO	TOTAL
Linear Feet			
Average Depth			
Square Feet			
Slurry Cubic Feet			

Start Station (from Plans)	
Stop Station (from Plans)	

Labor			
POSITION	Hrs/Day	QTY.	Total Hrs
Foreman	9.5/1	1	9.5
Pile Driver	9.5/1	2	19
Labor	9.5/1	2	19.5
Oper	9.5/1	2	19

Rented Equipment			
TYPE	Hrs/Day	QTY.	Total Hrs
Forklift		1	

PROJECT FOREMAN: J. Wallmark

APPROVED BY: _____

Slurry Systems, Inc. Daily Work Report No. 3

Job No. 026-05YBS-IN

Date 5/27/06Page 1 of 1SU M TU W TH F SA

Daily Notes

Received 2 loads Cement, unloaded last load from yard, hung Plat Form & set Power Pack. Pin Boom To leads & weaved cable. Stood up leads hung spotter, ran out cable for hoses.

Clay will be here Monday 2:00pm

Donna has another man for Monday Phil millions for Batch Plant

Call off Rig, verbal mark with RH Martin Hrs 4225.2 (4:00 pm)

Bob get .5 hr. excuse time

Vibrated Beam Production			
ITEM	NEW	REDO	TOTAL
Linear Feet			
Average Depth			
Square Feet			
Slurry Cubic Feet			

Start Station (from Plans)	
Stop Station (from Plans)	

Labor			
POSITION	Hrs/Day	QTY.	Total Hrs
Foreman	9.5/1	1	9.5
Pile Drivers	9.5/1	2	19
Oper	9.5/1		19

Rented Equipment			
TYPE	Hrs/Day	QTY.	Total Hrs
GCHL	9.5/1	1	9.5
GROVE	9.5/1	1	9.5

PROJECT FOREMAN: J. Walker

APPROVED BY: _____

Slurry Systems, Inc. Daily Work Report No. 4

Job No. 026-05VBS-IN

Date 5/13/06

SU M TU W TH F SA

Page 1 of 1

Daily Notes

Install Head, Bolted Head on, Hung Guide Box, Hung Hoses, Install Beam, Head Problems with Rig, Fix & continue set up, mounted Auger Hook Presser Pump up like the Gov. Ready For Monday START

Vibrated Beam Production			
ITEM	NEW	REDO	TOTAL
Linear Feet			
Average Depth			
Square Feet			
Slurry Cubic Feet			

Start Station (from Plans)	
Stop Station (from Plans)	

Labor			
POSITION	Hrs/Day	QTY.	Total Hrs
Foreman	8.5/1	1	8.5
Pile Drivers	8.5/1	2	17
Oper.	8.5/1	2	17

Rented Equipment			
TYPE	Hrs/Day	QTY.	Total Hrs
Gehl	8.5/1	1	8.5

PROJECT FOREMAN: J. Wallace

APPROVED BY: _____

Slurry Systems, Inc. Daily Work Report No. _____

Job No. 026-05VBS-IN

Date 5-15-06Page 1 of _____

SU(M)TUWTHFSA

Daily Notes

HAD Problem with Lyle not having other & open on Batch Plant, call local 841 TALK TO DALE HULL BA. sending other out tomorrow, Pulling Phil on permit, 20 min safety meeting in morning, started mixing. got started driving 12:30. HAD problems with auger had to fix, ground water broke three pugs in pipes HAD TO DAM UP. Drove south 14 FT, turn around drove back north too make tie end, HAD TO REMOVE fence so we can finish tie end.

Grove Pick up 7:30 AM

Vibrated Beam Production

ITEM	NEW	REDO	TOTAL
Linear Feet	61.8"		
Average Depth	22.04		
Square Feet	1362.07		
Slurry Cubic Feet	486		

Start Station (from Plans)	AC
Stop Station (from Plans)	AF

Labor

POSITION	Hrs/Day	QTY.	Total Hrs
Foreman	10/1	1	10
Pile DRIVER	10/1	2	20
oper	10/1	2	20
Labor	10/1	1	10

Rented Equipment

TYPE	Hrs/Day	QTY.	Total Hrs
Craul	10/1	1	10

PROJECT FOREMAN: David MillerAPPROVED BY: Terry Clark

Slurry Systems, Inc. Daily Work Report No. 6

Job No. 026-05VBS-IN

Date 5-16-06

SU M W TH F SA

Page 1 of

Daily Notes

HAD SAFETY MEETING 10AM, REMOVE TOP RAIL ON FENCE & LAYED FENCE OUT TO FINISH TIE END ON WALL, REINSTALLED RAIL & FENCE MOVE RIG TO NORTH END, REPORTED HOSES GOT SET UP 3HRS., STARTED DRIVING 1:00 PM, HAD HOSE BREAK, STOP TO FIX 15MIN, HAVING PROBLEMS WITH FILTER ON UNIT, WILL REPLACE IN MORNING. ORDER FUEL FOR TOMORROW, TALK TO TERRY ABOUT HAVING BACK HOE ON SITE.

Hired Greg Hester oper - other

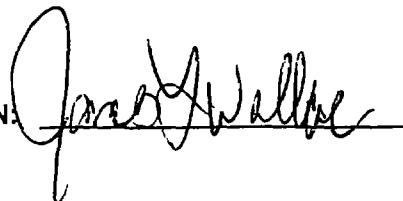
Vibrated Beam Production			
ITEM	NEW	REDO	TOTAL
Linear Feet	87.2		
Average Depth	21.32		
Square Feet	1859.10		
Slurry Cubic Feet	891		

Start Station (from Plans)	
Stop Station (from Plans)	

Labor			
POSITION	Hrs/Day	QTY.	Total Hrs
Foreman	10.5	1	10.5
Pile Driver	10.5	2	21
oper	10.5	3	31.5
LABOR	10.5	1	10

Rented Equipment			
TYPE	Hrs/Day	QTY.	Total Hrs
GELL	10.5	1	10.5

PROJECT FOREMAN:



APPROVED BY:



Slurry Systems, Inc. Daily Work Report No. 7

Job No. 026-05VBS-IN

Date 5-17-06

S U M T U W ~~F~~ S A

Page 1 of 1

Daily Notes

STARTED WITH safety meeting around, STARTED mixing, got STARTED Driving, Drave until 10:25 AM, Terry stop us slurry was at top of trench ($1\frac{1}{2}$ hours down), remove two of the bags to get slurry to run, used Rig & Beam to bring slurry down the trench, TALK TO Terry about Back Hoe, He got them out as soon as he could, TALK TO Fred about who was responsible to take care of trench to help maintain trench, Back Hoe oper building up side of trench 1'- $1\frac{1}{2}$, should help with holding slurry in trench, HAD lightning in afternoon STOP Driving until it past (20 min)

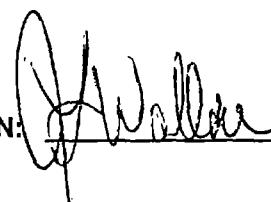
Vibrated Beam Production			
ITEM	NEW	REDO	TOTAL
Linear Feet	160.3		
Average Depth	19.134		
Square Feet	3067.18		
Slurry Cubic Feet	1053		

Start Station (from Plans)	
Stop Station (from Plans)	

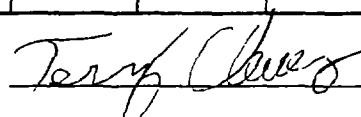
Labor			
POSITION	Hrs/Day	QTY.	Total Hrs
Foreman	10/1	1	10
Pile Drivers	10/1	2	20
oper.	10/1	3	30
LABOR	10/1	1	10

Rented Equipment			
TYPE	Hrs/Day	QTY.	Total Hrs
G EHL	10/1	1	10

PROJECT FOREMAN:



APPROVED BY:



Slurry Systems, Inc. Daily Work Report No. 8

Job No. 026-05VBS-IN

Date 6-18-06SU M TU W TH F SAPage 1 of**Daily Notes**

STARTED 10 min safety meeting. STARTED mixing & began driving, was good until we hit south end of cap. Then platform gave way next to trench, got rig to safe spot, lay out mats, got rig back into place (1 1/2 hrs). Storm came threw lot of lightning, stop until it past (20min) Had problems moving mats over cap. Had to take them to north end and come around. mixing slurry in trench

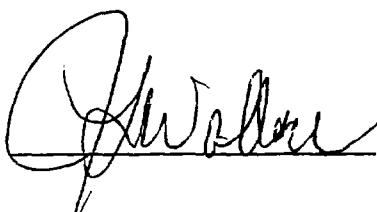
Vibrated Beam Production			
ITEM	NEW	REDO	TOTAL
Linear Feet	131.3		
Average Depth	17.74		
Square Feet	2329.26		
Slurry Cubic Feet	1053		

Start Station (from Plans)	
Stop Station (from Plans)	

Labor			
POSITION	Hrs/Day	QTY.	Total Hrs
Foreman	10/1	1	10
Pile Driver	10/1	2	20
Oper	10/1	3	30
Labor	10/1	1	10

Rented Equipment			
TYPE	Hrs/Day	QTY.	Total Hrs
CCHL	10/1	1	10

PROJECT FOREMAN:



APPROVED BY:



Slurry Systems, Inc. Daily Work Report No. 9

Job No. 026-05VBS-IN

Date 5-19-06SU M TU W TH F SAPage 1 of

Daily Notes

STARTED safety meeting (10min) Began driving, started driving, Laying Rig on matts until we hit corner, Platform soft Because of Rain, Driving IS FAR, HAVE some small problems But work out. Received Fuel

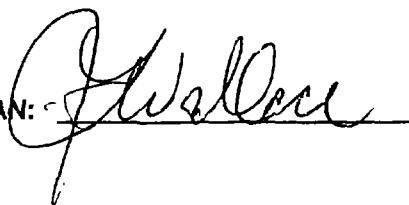
Vibrated Beam Production			
ITEM	NEW	REDO	TOTAL
Linear Feet	156		
Average Depth	22.92		
Square Feet	3575.52		
Slurry Cubic Feet	1396		

Start Station (from Plans)	
Stop Station (from Plans)	

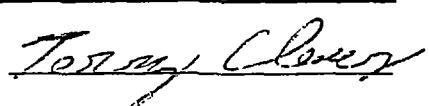
Labor			
POSITION	Hrs/Day	QTY.	Total Hrs
Foreman	10/1	1	10
Pile Driver	10/1	2	20
OPCR	10/1	3	30
Labor	10/1	1	10

Rented Equipment			
TYPE	Hrs/Day	QTY.	Total Hrs
Cette	10/1	1	10

PROJECT FOREMAN:



APPROVED BY:



Slurry Systems, Inc. Daily Work Report No. 10

Job No. 026-05VBS-IN

Date 5-20-06

SU M TU W TH F SA

Page 1 of 1

Daily Notes

STARTED with safety meeting (cont'd) Begun mixing, started driving. Hit HARD SPOT AT 4+98, DRIVE TIMES ARE 2-15 mins. Having problems with Filters on unit will replace at end of day.

Vibrated Beam Production			
ITEM	NEW	REDO	TOTAL
Linear Feet	88.6		
Average Depth	26.57		
Square Feet	2334.10		
Slurry Cubic Feet	891		

Start Station (from Plans)	
Stop Station (from Plans)	

Labor			
POSITION	Hrs/Day	QTY.	Total Hrs
Foreman	10/1	1	10
Pile Drivers	10/1	2	20
OPER	10/1	3	30
Labor	10/1	1	10

Rented Equipment			
TYPE	Hrs/Day	QTY.	Total Hrs
Belt	10/1	1	10

PROJECT FOREMAN: J. WallaceAPPROVED BY: G. Bongi

Slurry Systems, Inc. Daily Work Report No. 11

Job No. 026-05VBS-IN

Date 5-29-06

Page of

S U M T U W T H F S A

Daily Notes

Began with safety meeting (10min) STARTED mixing, began driving. Drive times are about 10-26 mins, we are still maintaining slurry in trench, Received fuel. Auger motor went out, called KingsRidge To pickup auger from yard, + be on site 7:00am tomorrow morning. Ran late by 1/2 hour.

Vibrated Beam Production			
ITEM	NEW	REDO	TOTAL
Linear Feet	74.3		
Average Depth	25.74		
Square Feet	1912.48		
Slurry Cubic Feet	810		

Start Station (from Plans)	
Stop Station (from Plans)	

Labor			
POSITION	Hrs/Day	QTY.	Total Hrs
Foreman	10.5/1	1	10.5
Pile Drivers	10.5/1	2	21
Oper	10.5/1	3	31.5
Lineman	10.5/1	1	10.5

Rented Equipment			
TYPE	Hrs/Day	QTY.	Total Hrs
CeHL	10.5/1	1	10.5

PROJECT FOREMAN:



APPROVED BY:



Slurry Systems, Inc. Daily Work Report No. 12

Job No. 026-05VBS-IN

Date 5-23-06Page 1 of 1SU M TU W TH F SA

Daily Notes

HAD SAFETY meeting (10min) Received AUGER & INSTALLED walk Rig off mats, STARTED Driving at south corner going north, Drove until 11:20 am Then move north to STATION AB; SET UP(4min) Began Driving after lunch, EPA stop us because she said there was Slurry leaking from Pipe I disagreed, Dismantled started Driving (45min) Two Hoses let lose had to replace

Vibrated Beam Production			
ITEM	NEW	REDO	TOTAL
Linear Feet	105.1		
Average Depth	21.86		
Square Feet	2297.48		
Slurry Cubic Feet	891		

Start Station (from Plans)	
Stop Station (from Plans)	

Labor			
POSITION	Hrs/Day	QTY.	Total Hrs
Foreman	10/1	1	10
Pile Driver	10/1	2	20
OPER	10/1	3	30
Labor	10/1	1	10

PROJECT FOREMAN: James Wallen

Rented Equipment			
TYPE	Hrs/Day	QTY.	Total Hrs
GETHL	10/1	1	10

APPROVED BY: Gretchen Brueggen

Slurry Systems, Inc. Daily Work Report No. 13

Job No. 026-05VBS-IN

Date 5-24-06Page 1 of 1

SU M TU W TH F SA

Daily Notes

HAD SAFETY MEETING (10min) BEGAN MIXING, STARTED DRIVING DRIVING GETTING HARDER going south, walk big on mats, going south to north in hard wet

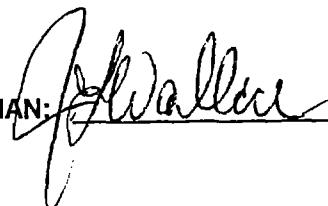
Vibrated Beam Production			
ITEM	NEW	REDO	TOTAL
Linear Feet	136.4		
Average Depth	23.18		
Square Feet	3164.11		
Slurry Cubic Feet	1134		

Start Station (from Plans)	
Stop Station (from Plans)	

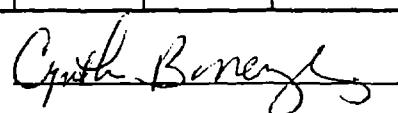
Labor			
POSITION	Hrs/Day	QTY.	Total Hrs
Foreman	10/1	1	10
Pile Driver	10/1	2	20
Oper	10/1	3	30
Labor	10/1	1	10

Rented Equipment			
TYPE	Hrs/Day	QTY.	Total Hrs
Cat HL	10/1	1	10

PROJECT FOREMAN:



APPROVED BY:



Slurry Systems, Inc. Daily Work Report No. 14

Job No. 026-05VBS-IN

Date 5-25-06

Page of

SU M TU W TH F SA

Daily Notes

Started with safety meeting (10min). began mixing + Driving
Drive Time all from 17min to 20min per Beam, Drove
until finish 10" over hap to make tie end, Drop Beam
move Hose + Roll up, walk rig off mats.

Had to get Truck Crane with man, no ATV was
available will be here Friday morning.

Wall is completed

Vibrated Beam Production

ITEM	NEW	REDO	TOTAL
Linear Feet	42		
Average Depth	23.88		
Square Feet	1002.96		
Slurry Cubic Feet	567		

Start Station (from Plans)	
Stop Station (from Plans)	

Labor

POSITION	Hrs/Day	QTY.	Total Hrs
Foreman	10/1	1	10
Pile Driver	10/1	2	20
Oper	10/1	3	30
Labor	10/1	1	10

Rented Equipment

TYPE	Hrs/Day	QTY.	Total Hrs
GEHL	10/1	1	10

PROJECT FOREMAN:



APPROVED BY:



Slurry Systems, Inc. Daily Work Report No. 15

Job No. 026-05VBS-IN

Date _____

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S U M T U W T H F S A

Daily Notes

Started

Vibrated Beam Production			
ITEM	NEW	REDO	TOTAL
Linear Feet			
Average Depth			
Square Feet			
Slurry Cubic Feet			

Start Station (from Plans)	
Stop Station (from Plans)	

Labor			
POSITION	Hrs/Day	QTY.	Total Hrs
Foreman	10/1	1	10
Pile Driver	10/1	2	20
Oper	10/1/8/	3	28
Labor	8/1	1	8

Rented Equipment			
TYPE	Hrs/Day	QTY.	Total Hrs
GenL	10/1	1	10

PROJECT FOREMAN: _____

APPROVED BY: _____

Slurry Systems, Inc. Daily Work Report No. _____

Job No. 026-05VBS-IN

Date 5/30/06

Page _____ of _____

SU M TU W TH F SA

Daily Notes

loaded 3 truck clean up around dumpers
on deck trailers

Vibrated Beam Production			
ITEM	NEW	REDO	TOTAL
Linear Feet			
Average Depth			
Square Feet			
Slurry Cubic Feet			

Start Station (from Plans)	
Stop Station (from Plans)	

Labor			
POSITION	Hrs/Day	QTY.	Total Hrs
Foreman	8/1	1	8
Pile Drivers	8/1	2	16
Oper	8/1	1	8

Rented Equipment			
TYPE	Hrs/Day	QTY.	Total Hrs
Grill	8/1	1	8

PROJECT FOREMAN: _____

APPROVED BY: _____

Slurry Systems, Inc. Daily Work Report No. _____

Job No. 026-05VBS-IN

Date 5-31-06

SU M TU W TH F SA

Page _____ of _____

Daily Notes

loaded one truck, put sleeves in point
 waited 4 hrs for pipes to be placed, mix
 8 batches to fill above pipes

Vibrated Beam Production			
ITEM	NEW	REDO	TOTAL
Linear Feet			
Average Depth			
Square Feet			
Slurry Cubic Feet			

Start Station (from Plans)	
Stop Station (from Plans)	

Labor			
POSITION	Hrs/Day	QTY.	Total Hrs
Foamit	9/1	1	9
Pile Drivers	9/1	2	18
Op.R	9/1	1	9

Rented Equipment			
TYPE	Hrs/Day	QTY.	Total Hrs
BxHL	9/1	1	9

PROJECT FOREMAN: _____

APPROVED BY: _____

Slurry Systems, Inc. Daily Work Report No. _____

Job No. 026-05VBS-JN

Date 6-1-06

Page _____ of _____

SU M TU W TH F SA

Daily Notes

TEAR DOWN BATCH PLANT, Loaded 3 TRUCK
PULL TRAILERS OUT ON TO ROAD, PULL DUMPSTERS OUT
TO PLATFORM, TOOK RIG APART & FINISH LOADING

CALL OFF FORKLIFT

NOTE 4783184

Vibrated Beam Production

ITEM	NEW	REDO	TOTAL
Linear Feet			
Average Depth			
Square Feet			
Slurry Cubic Feet			

Start Station (from Plans)	
Stop Station (from Plans)	

Labour

Rented Equipment

PROJECT FOREMAN:

APPROVED BY:

Slurry Systems, Inc. Daily Vibrated Beam Production

Job No. 026-05VBS-IN

Date 5-15-06

SU TU W TH F SA

Page 1 of

Prepared by John in Edwards

		BEAM PENETRATION					
Beam #	Time	Down	Depth (ft)	Up	Start	End	Comments
1	10:54	1:06	23	3:09	40psi	55	
2	11:10	2:06	23	2:56	30psi	55	
3	1:30	1:11	23	2:43	38psi	50	Cleared jet
4	1:37	2:26	23	2:49	44psi	55	
5	1:45	2:16	23	2:58	38psi	48	
6	2:10	2:23	2 1/2	3:20	34psi	55	Turn 2.5 around
7	2:24	1:24	2 1/2	2:55	32	40	
8	1:31	1:27	2 1/2	2:40	36	42	
9	1:38	1:38	2 1/2	2:24	44	55	
10	2:45	1:33	2 1/2	2:28	36	45	
11	2:52	1:20	2 1/2	2:37	44	50	jet & cleared jet wood surface
12	3:01	1:53	2 1/2	2:21	38	50	wood surface
13	3:07	1:53	2 1/2	2:17	38	46	
14	3:23	1:48	2 1/2	2:24	32	40	Fix sugar
15	3:29	1:44	2 1/2	2:10	44	52	
16	3:34	1:38	2 1/2	2:02	44	50	
17	3:40	1:34	2 1/2	2:21	36	50	
18	4:02	1:40	2 1/2	2:15	38	50	Stop to plug pipe slurry leaking through
19	4:16	2:14	2 1/2	1:59	42	48	
20	4:22	1:59	23	2:02	34	60	

Daily Totals				Comments
Item	New	Redo	Total	
Beam Total	22			61.8 Lin ft.
Avg. Depth (Ft)	22.04			
Linear Footage	61.8			
Square Footage	1362.07			

Slurry Systems, Inc. Daily Vibrated Beam Production

Job No. 026-05VBS-IN

Date 5-15-06 SU M TU W TH F SA
 Page 2 of 2
 Prepared by John W. Shanks

		BEAM PENETRATION						
Beam #	Time	Down	Depth (ft)	Up	Start	End	Comments	
1	4:32	1:48	23	2:48	30	42pm		
2	4:38	2:26	23	2:23	34	42		
3								
4								
5								
6								
7								
8								
9								
30								
1								
2								
3								
4								
5								
6								
7								
8								
9								
40								

Daily Totals				Comments
Item	New	Redo	Total	Comments
Beam Total				
Avg. Depth (Ft)				
Linear Footage				
Square Footage				

Slurry Systems, Inc. Daily Vibrated Beam Production

Job No. 026-05VBS-IN

Date 3/16/06

M T W TH F SA

Page 1 of 1

Prepared by John B. Grindstaff

		BEAM PENETRATION					
Beam #	Time	Down	Depth (ft)	Up	Start	End	Comments
1	9:04	2:32	23	2:25	30 psi	38 psi	move steel plate behind rig
2	9:46	2:59	23	2:05	34	42	
3	9:53	2:25	23	2:31	40	48	
4	10:00	1:26	23	1:55	32	42	wood surface
5	1:22	1:58	22 1/2	3:56	38	46	move R. rig holes
6	1:31	1:51	22 1/2	1:40	30	42	
7	1:36	1:12	22 1/2	1:52	30	40	
8	1:42	1:10	22 1/2	1:50	38	42	
9	1:53	1:29	22 1/2	1:50	30	42	Hose broken in half
10	2:13	1:44	22 1/2	2:14	28	36	
1	2:23	1:54	22 1/2	2:55	35	40	
2	2:29	2:05	22 1/2	2:57	35	40	wood surface
3	2:36	1:54	22 1/2	2:51	40	45	
4	2:42	1:50	22 1/2	2:59	30	40	
5	2:49	2:29	22 1/2	2:40	30	45	
6	2:57	2:19	22 1/2	2:50	30	40	
7	3:05	2:23	22 1/2	2:59	35	45	
8	3:14	1:36	22 1/2	2:45	30	40	
9	3:20	2:23	22 1/2	2:31	35	40	
10	3:35	2:50	22 1/2	2:33	30	45	

Daily Totals				Comments	10ft L x ft
Item	New	Redo	Total		
Beam Total	34				77.2 lin. ft
Avg. Depth (Ft)	21.32				87.2 lin. ft
Linear Footage	87.2				
Square Footage	1859.40				

Slurry Systems, Inc. Daily Vibrated Beam Production

Job No. 026-05VBS-IN

Date 5/6/08

SU M TU W TH F SA

Page 2 of

Prepared by Kathy E. Chaudhry

		BEAM PENETRATION					
Beam #	Time	Down	Depth (ft)	Up	Start	End	Comments
1	3:13	1:21	19 1/2	2:54	45	50	cleared jet
2	3:50	1:32	19 1/2	2:27	40	45	
3	3:56	1:28	19 1/2	2:11	35	45	
4	3:59	1:16	19 1/2	2:27	40	45	
5	4:05	2:08	19 1/2	2:24	45	50	
6	4:19	1:23	19 1/2	2:13	30	40	lay track line down
7	4:26	1:24	19 1/2	2:29	30	45	cleared jet
8	4:31	1:16	19 1/2	2:07	35	45	wood surface
9	4:36	1:14	19 1/2	2:09	45	50	
30	4:40	1:16	19 1/2	2:08	35	45	
1	4:45	1:29	19 1/2	2:03	30	40	
2	4:50	1:41	19 1/2	2:10	30	45	
3	4:55	1:39	19 1/2	2:09	30	40	
4	5:01	1:31	19 1/2	2:13	30	40	
5							
6							
7							
8							
9							
40							

Daily Totals				Comments
Item	New	Redo	Total	
Beam Total				
Avg. Depth (Ft)				
Linear Footage				
Square Footage				

Slurry Systems, Inc. Daily Vibrated Beam Production

Job No. 026-05VBS-JN

Date 5/17/06

S U M T U W TH F S A

Page 1 of

Prepared by Karin Schmehl

		BEAM PENETRATION					
Beam #	Time	Down	Depth (ft)	Up	Start	End	Comments
1	8:38	1:09	19 $\frac{1}{2}$	1:59	30	40	
2	8:45	1:25	19 $\frac{1}{2}$	2:45	30	60	
3	8:57	1:24	19 $\frac{1}{2}$	2:11	50	60	
4	8:56	1:10	19 $\frac{1}{2}$	2:02	35	45	
5	9:01	1:14	19 $\frac{1}{2}$	1:59	40	50	
6	9:12	1:24	19 $\frac{1}{2}$	2:09	40	50	
7	9:17	1:26	19 $\frac{1}{2}$	1:50	40	60	
8	9:21	1:02	19 $\frac{1}{2}$	1:58	45	60	
9	9:28	1:04	19 $\frac{1}{2}$	1:59	45	55	
10	9:33	1:28	19 $\frac{1}{2}$	1:53	45	55	root surface
1	9:38	1:06	19 $\frac{1}{2}$	1:52	40	50	
2	11:04	1:01	19 $\frac{1}{2}$	2:07	40	50	fix side of trench
3	11:09	1:11	19 $\frac{1}{2}$	1:58	35	45	
4	11:13	1:07	19 $\frac{1}{2}$	2:03	35	40	
5	11:18	1:37	19 $\frac{1}{2}$	2:05	35	45	
6	11:23	1:35	19 $\frac{1}{2}$	2:22	35	40	
7	11:28	1:11	19 $\frac{1}{2}$	1:53	40	45	
8	11:33	1:19	19 $\frac{1}{2}$	1:51	40	50	root surface
9	11:37	1:40	19 $\frac{1}{2}$	1:53	40	45	root surface
20	11:43	1:38	19 $\frac{1}{2}$	2:04	45	50	

Daily Totals				Comments	160.3 L/ft
Item	New	Redo	Total		
Beam Total	403				
Avg. Depth (Ft)	19.184				
Linear Footage	160.3				
Square Footage	3067.18				

Slurry Systems, Inc. Daily Vibrated Beam Production

Job No. 026-05VBS-IN

Date 5/17/06

SU M TU W TH F SA

Page 2 of

Prepared by Kelvin A. Ghoshal

		BEAM PENETRATION					
Beam #	Time	Down	Depth (ft)	Up	Start	End	Comments
21	11:49	1:14	19 1/2	1:46	40 psi	45 psi	wood surface
2	11:53	1:30	19 1/2	1:54	45	55	
3	12:46	1:18	19 1/2	1:47	40	50	
4	12:51	1:03	19 1/2	1:47	40	45	
5	12:55	1:08	19 1/2	2:01	40	50	
6	12:59	1:00	19 1/2	1:58	40	45	
7	1:05	1:56	19 1/2	2:25	35	45	
8	1:10	1:02	19 1/2	2:03	40	45	
9	1:15	1:02	19 1/2	2:16	40	45	
30	1:20	1:39	19 1/2	2:12	45	55	
1	1:27	1:01	19 1/2	2:11	30	45	
2	1:32	1:08	19 1/2	2:19	30	40	
3	1:38	1:38	19	2:18	35	45	
4	1:44	1:46	19	2:16	30	40	
5	1:48	1:43	19	2:19	30	45	
6	1:53	1:38	19	1:55	35	40	wood surface
7	1:59	1:49	19	2:20	30	40	
8	2:04	1:42	19	1:52	30	45	
9	2:08	1:46	19	1:57	30	35	
40	2:23	1:52	19	2:02	30	40	

Daily Totals				Comments
Item	New	Redo	Total	Comments
Beam Total				
Avg. Depth (Ft)				
Linear Footage				
Square Footage				

Slurry Systems, Inc. Daily Vibrated Beam Production

Job No. 026-05VBS-IN

Date 5/17/06 SU M TU W TH F SA

Page 3 of _____

Prepared by Kelvin W. Elmer Jr.

		BEAM PENETRATION					
Beam #	Time	Down	Depth (ft)	Up	start	End	Comments
1	2:28	1:49	19	2:06	30	45	
2	2:35	2:45	19	1:54	30	40	root surface
3	2:59	1:41	19	1:46	30	40	change fuel Filter on pump boat
4	3:04	1:13	19	1:37	25	35	
5	3:08	1:16	19	1:57	25	30	
6	3:13	1:10	19	2:34	25	35	
7	3:18	1:28	19	1:47	30	35	
8	3:23	1:10	19	1:52	25	35	
9	3:27	1:09	18 1/2	2:15	25	30	
10	3:32	1:05	18 1/2	1:48	30	40	
1	3:38	1:59	18 1/2	2:05	30	35	
2	3:48	1:13	18 1/2	1:46	25	35	dry track line down
3	3:52	1:05	18 1/2	1:58	30	35	
4	3:56	1:56	18 1/2	1:52	30	40	
5	4:00	1:13	18 1/2	1:52	25	35	
6	4:06	1:55	18 1/2	1:48	25	40	
7	4:10	1:58	18 1/2	1:55	30	40	
8	4:14	1:03	18 1/2	1:52	30	35	
9	4:18	1:57	18 1/2	1:57	30	40	stop for lightning
10	4:42	1:14	18 1/2	2:10	30	40	

Daily Totals				Comments
Item	New	Redo	Total	
Beam Total				
Avg. Depth (Ft)				
Linear Footage				
Square Footage				

Slurry Systems, Inc. Daily Vibrated Beam Production

Job No. 026-05VBS-IN

Date 5-17-06

S U M T U W TH F SA

Page 4 of

Prepared by Robin L. Edwards Jr.

		BEAM PENETRATION					
Beam #	Time	Down	Depth (ft)	Up	start	End	Comments
61	4:47	1'43	18 1/2	1'57	30 ps:	45 ps:	
2	4:50	1'52	18 1/2	1'58	30	40	wood surface
3	4:54	1'53	18 1/2	1'55	30	40	
4							
5							
6							
7							
8							
9							
70							
1							
2							
3							
4							
5							
6							
7							
8							
9							
80							

Daily Totals				Comments
Item	New	Redo	Total	
Beam Total				
Avg. Depth (Ft)				
Linear Footage				
Square Footage				

Slurry Systems, Inc. Daily Vibrated Beam Production

Job No. 026-05VBS-IN

Date 5-18-06

SU M TU W TH F SA

Page 1 of

Prepared by Robin W. Edwards

		BEAM PENETRATION					
Beam #	Time	Down	Depth (ft)	Up	Start	End	Comments
1	8:08	1:54	18 1/2	2:10	35	40	
2	8:12	1:06	18 1/2	1:59	40	50	
3	8:18	1:01	18 1/2	2:00	30	40	
4	8:23	1:03	18 1/2	2:15	30	40	wood surface
5	8:28	1:51	18 1/2	1:48	30	40	
6	8:32	1:11	18 1/2	1:42	35	45	
7	8:38	1:50	18 1/2	2:20	30	40	
8	8:44	1:50	18 1/2	2:10	30	35	
9	8:48	1:30	18 1/2	1:53	40	45	fix side of trench
10	9:05	1:42	18 1/2	1:49	35	40	
1	9:09	1:30	18 1/2	2:01	35	45	
2	9:14	1:34	18 1/2	2:03	35	40	
3	9:19	1:45	18 1/2	2:13	40	50	
4	9:23	1:25	18 1/2	2:22	40	45	
5	9:28	1:15	18 1/2	2:09	35	40	
6	9:33	1:13	18 1/2	2:16	35	45	
7	9:38	1:09	18 1/2	2:19	35	40	
8	9:42	1:23	18 1/2	2:17	35	45	
9	9:47	1:08	19	2:21	40	45	
20	9:51	1:12	19	2:19	35	45	

Daily Totals				Comments	131.3 L.24
Item	New	Redo	Total		
Beam Total	55				
Avg. Depth (Ft)	17.74				
Linear Footage	131.3				
Square Footage	2329.26				

Slurry Systems, Inc. Daily Vibrated Beam Production

Job No. 026-05VBS-IN

Date 5-18-06

SU M TU W TH F SA

Page 2 of

Prepared by Ruth or Edna

		BEAM PENETRATION			Start	End	Comments
Beam #	Time	Down	Depth (ft)	Up			
21	9:56	1:14	19	1:51	30 _{pzi}	45 _{pzi}	
2	10:00	1:24	19	2:17	30	40	
3	10:05	1:16	19	2:12	35	45	wood surface
4	10:09	1:23	19	2:02	35	45	
5	10:13	1:23	19	2:27	30	40	
6	10:18	1:08	19	2:13	35	40	
7	10:22	1:09	19	2:09	40	45	
8	10:29	1:19	19	2:02	30	45	wood surface
9	10:31	1:15	19	2:13	30	40	
30	10:35	1:28	19	2:18	40	45	
1	10:40	1:34	19	2:29	35	40	wood surface
2	10:46	1:22	19	2:27	40	45	
3	10:51	1:22	19	2:24	40	45	
4	11:14	2:11	19	2:25	30	40	Stop for 1:51 - 2:00
5	11:20	2:07	19	2:03	30	45	
6	11:26	1:43	15 $\frac{1}{2}$	1:35	30	40	
7	11:31	1:15	15 $\frac{1}{2}$	1:57	30	35	
8	11:36	1:10	15 $\frac{1}{2}$	1:28	35	40	
9	11:42	1:58	15 $\frac{1}{2}$	1:29	40	45	
40	2:06	1:48	15 $\frac{1}{2}$	1:20	35	40	Fix Crane pad

Daily Totals				Comments
Item	New	Redo	Total	
Beam Total				
Avg. Depth (Ft)				
Linear Footage				
Square Footage				

Slurry Systems, Inc. Daily Vibrated Beam Production

Job No. 026-05VBS-IN

Date 5-18-06

SU M TU W TH F SA

Page 3 of

Prepared by Loren W. Schmid Jr.

		BEAM PENETRATION					
Beam #	Time	Down	Depth (ft)	Up	Start	End	Comments
1	2:11	145	15 $\frac{1}{2}$	1:34	30 psi	40 psi	
2	2:17	147	15 $\frac{1}{2}$	1:29	30	45	
3	2:22	147	15 $\frac{1}{2}$	1:38	25	35	
4	2:26	155	15 $\frac{1}{2}$	1:38	25	35	
5	2:30	155	15 $\frac{1}{2}$	1:31	25	30	
6	2:34	157	15 $\frac{1}{2}$	1:33	25	35	
7	2:38	1:11	15 $\frac{1}{2}$	1:40	35	45	
8	2:44	1:55	15 $\frac{1}{2}$	1:41	35	40	
9	2:48	1:23	15 $\frac{1}{2}$	1:46	35	45	
10	2:55	1:23	15 $\frac{1}{2}$	1:43	30	40	
1	3:01	1:48	17 $\frac{1}{2}$	2:18	30	45	
2	3:47	1:41	17 $\frac{1}{2}$	2:08	30	35	
3	3:48	2:04	17 $\frac{1}{2}$	2:03	25	35	moved crane out wood 50x75=2
4	3:54	1:39	17 $\frac{1}{2}$	2:04	25	35	
5	4:01	1:42	17 $\frac{1}{2}$	2:31	30	40	
6							
7							
8							
9							
60							

Daily Totals				Comments
Item	New	Redo	Total	Comments
Beam Total				
Avg. Depth (Ft)				
Linear Footage				
Square Footage				

Slurry Systems, Inc. Daily Vibrated Beam Production

Job No. 026-05VBS-IN

Date 5-14-06

S U M T U W T H F S A

Page 1 of

Prepared by Richie L. Shumate

		BEAM PENETRATION					
Beam #	Time	Down	Depth (ft)	Up	start	End	Comments
1	8:39	2'12	17 $\frac{1}{2}$	2'34	25 ⁰⁰	40 ⁰⁰	
2	8:46	1:44	17 $\frac{1}{2}$	2'09	25	35	
3	8:51	1:41	17 $\frac{1}{2}$	2'39	30	40	
4	8:57	1:39	17 $\frac{1}{2}$	2'21	30	40	
5	9:03	1:21	17 $\frac{1}{2}$	2'04	30	40	
6	9:08	1:18	17 $\frac{1}{2}$	2'03	30	45	wood surface
7	9:13	1:17	17 $\frac{1}{2}$	2'01	30	35	
8	9:17	1:14	17 $\frac{1}{2}$	2'02	30	35	
9	9:22	1:06	17 $\frac{1}{2}$	2'08	30	40	
10	9:27	1:55	17 $\frac{1}{2}$	2'13	35	40	
1	9:32	1:52	17 $\frac{1}{2}$	1:55	30	40	
2	9:37	1:04	17 $\frac{1}{2}$	1:58	30	35	
3	9:42	1:07	17 $\frac{1}{2}$	1:56	30	40	
4	9:46	1:23	19	2'09	30	40	wood surface
5	9:58	1:41	19	2'22	25	40	trailing + mo- crane up + route surface
6	10:04	1:17	19	2'02	30	45	
7	10:09	1:22	19	2'02	30	40	
8	10:14	1:07	19	1:59	30	35	
9	10:19	1:05	19	2'02	30	45	
20	10:24	1:22	19	2'03	30	40	

Daily Totals				Comments	156 Lin ft.
Item	New	Redo	Total		
Beam Total	64				
Avg. Depth (Ft)	22.92				
Linear Footage	156				
Square Footage	3575.52				

Slurry Systems, Inc. Daily Vibrated Beam Production

Job No. 026-05VBS-IN

Date 5-19-06

SU M TU W TH F SA

Page 2 of

Prepared by Ruthie Elmer

		BEAM PENETRATION					
Beam #	Time	Down	Depth (ft)	Up	Start	End	Comments
21	10:33	1:25	19	2:21	30	40	
2	10:39	1:12	19	2:03	30	35	
3	10:44	1:29	19	2:09	30	40	
4	10:50	1:52	19	2:08	30	35	
5	10:56	1:14	19	2:07	30	40	more crane multi track line
6	11:18	:50	19	1:59	30	45	
7	11:22	1:12	24	2:28	30	40	
8	11:28	1:03	24	2:29	30	40	
9	11:33	:57	24	2:18	30	40	
30	11:38	1:03	24	2:46	30	35	more crane
1	11:48	1:14	24	2:52	30	40	
2	11:54	1:38	24	2:47	30	45	
3	12:53	1:20	24	2:48	35	40	
4	12:59	1:13	24	2:15	35	45	
5	1:04	1:17	24	2:10	30	35	
6	1:10	1:11	24	2:45	30	40	
7	1:16	1:21	24	2:35	30	45	
8	1:22	1:15	24	2:19	35	40	
9	1:27	2:17	24	2:31	30	35	
40	1:33	2:08	24	2:23	35	40	550 ft for 5400

Daily Totals				Comments
Item	New	Redo	Total	
Beam Total				
Avg. Depth (Ft)				
Linear Footage				
Square Footage				

Slurry Systems, Inc. Daily Vibrated Beam Production

Job No. 026-05VBS-IN

Date 5-19-06

SU M TU W TH F SA

Page 3 of

Prepared by John L. Edwards

		BEAM PENETRATION					
Beam #	Time	Down	Depth (ft)	Up	start	End	Comments
41	1:40	1:30	24	2:25	30	40	
2	1:45	1:18	24	2:46	30	40	
3	1:51	1:37	24	2:27	30	40	
4	1:57	1:57	28	3:25	30	35	
5	2:06	2:06	28	3:09	30	40	roots surface
6	2:13	1:53	28	3:02	35	45	
7	2:19	2:11	28	2:56	35	40	
8	2:26	1:41	28	3:31	35	40	
9	2:33	1:46	28	2:50	35	40	roots surface
50	2:40	1:41	28	3:23	35	45	
1	2:46	1:42	28	2:51	35	40	
2	2:52	1:38	28	3:01	35	45	
3	2:58	1:47	28	3:03	35	40	
4	3:05	1:59	28	2:59	35	40	
5	3:11	2:21	28	3:14	30	40	
6	3:18	2:02	28	3:18	30	40	
7	3:25	1:51	28	3:03	30	45	
8	3:34	1:38	28	2:17	30	40	
9	3:41	1:47	27 1/2	2:58	30	40	pack wood surface use more cement
60	3:56	1:59	27 1/2	2:57	25	30	

Daily Totals				Comments
Item	New	Redo	Total	
Beam Total				
Avg. Depth (Ft)				
Linear Footage				
Square Footage				

Slurry Systems, Inc. Daily Vibrated Beam Production

Job No. 026-05VBS-IN

Date 5-19-06

SU M TU W TH F SA

Page 4 of

Prepared by Ruthie W. Edwards

		BEAM PENETRATION					
Beam #	Time	Down	Depth (ft)	Up	Start	End	Comments
61	4:02	2 1/2	2 7/8	2:58	30, 40	40 pi	
2	4:09	2 1/6	2 7/8	3:09	30	45	
3	4:16	2 1/6	2 7/8	2:59	30	40	
4	4:23	2:02	2 7/8	2:58	30	40	
5							
6							
7							
8							
9							
70							
71							
2							
3							
4							
5							
6							
7							
8							
9							
80							

Daily Totals				Comments
Item	New	Redo	Total	
Beam Total				
Avg. Depth (Ft)				
Linear Footage				
Square Footage				

Slurry Systems, Inc. Daily Vibrated Beam Production

Job No. 026-05VBS-IN

Date 5-26-06

S U M T U W T H F **(SA)**

Page 1 of

Prepared by Patricia Edwards J.

		BEAM PENETRATION					
Beam #	Time	Down	Depth (ft)	Up	Start	End	Comments
1	8:08	3:37	27 1/2	3:00	30,05	70pm	Hard Driving @ 23'
2	8:15	4:05	27 1/2	2:59	30	70	Hard Driving @ 23'
3	8:24	3:49	27 1/2	3:08	30	65	Hard Driving @ 23' into surface
4	8:33	3:50	27 1/2	2:42	35	75	Hard Driving @ 23'
5	8:41	2:46	27 1/2	3:02	30	60	
6	8:53	1:37	27 1/2	2:59	35	60	Fix Dike
7	9:02	1:55	27 1/2	2:57	30	60	
8	9:09	2:10	27 1/2	2:42	30	60	
9	9:15	2:09	27	2:48	30	45	Hard Driving @ 23'
10	9:20	2:42	27	2:33	30	45	
1	9:27	2:42	27	3:07	30	50	
2	9:34	2:14	27	2:49	30	45	
3	9:39	2:53	27	2:36	30	45	Track line put down
4	9:51	3:35	27	3:08	30	60	Hard Driving @ 23'
5	9:58	7:07	27	3:02	30	65	Hard Driving @ 23'
6	10:20	5:42	27	2:40	35	45	Hard Driving @ 23' Filled trench
7	10:30	6:15	27	2:59	20	40	Hard Driving @ 23'
8	10:41	9:27	27	4:01	20	40	Hard Driving @ 23'
9	10:56	11:08	27	4:00	25	40	Hard Driving @ 23'
20	11:17	12:17	27	3:45	30	40	Hard Driving @ 23'

Daily Totals				Comments	88.6 L.A.F +
Item	New	Redo	Total		
Beam Total	38				
Avg. Depth (Ft)	26.57				
Linear Footage	88.6				
Square Footage	12354.10				

Slurry Systems, Inc. Daily Vibrated Beam Production

Job No. 026-05VBS-IN

Date 5-20-06

S U M T U W T H F S A

Page 2 of

Prepared by, John L. Shumate

		BEAM PENETRATION					
Beam #	Time	Down	Depth (ft)	Up	start	end	Comments
21	11:31	14'02	27	3:04	30	40psi	Hard Driving @ 23'
2	11:52	10'18	27	3:18	30	45	Hard Driving @ 23'
3	12:52	8:30	27	3:33	30	45	Hard Driving @ 23'
4	1:06	10:47	27	3:23	35	50	Hard Driving @ 23'
5	1:23	8:52	27	3:19	35	50	Hard Driving @ 23'
6	1:36	7:52	27	3:33	35	55	Hard Driving @ 23'
7	1:49	4:16	27	3:19	40	55	Hard Driving @ 23'
8	2:03	10:15	27	3:07	35	55	Hard Driving @ 23'
9	2:17	4:29	25	3:11	35	55	Hard Driving @ 23'
30	2:26	4:54	25	3:05	30	70	Hard Driving @ 23'
1	2:36	4:08	25	3:45	40	60	Hard Driving @ 23'
2	2:49	3:23	25	3:03	40	55	Hard Driving @ 23' + Fac line
3	2:56	3:59	25	3:06	40	70	Hard Driving @ 23'
4	3:01	3:20	25	3:13	40	75	Hard Driving @ 23'
5	3:16	2:59	25	3:28	35	65	Hard Driving @ 23'
6	3:23	2:51	25	2:59	35	70	Hard Driving @ 23'
7	3:30	3:55	25	3:08	35	65	Hard Driving @ 23'
8	3:39	3:59	25	3:09	40	60	Hard Driving @ 23'
9							
40							

Daily Totals				
Item	New	Redo	Total	Comments
Beam Total				
Avg. Depth (Ft)				
Linear Footage				
Square Footage				

Slurry Systems, Inc. Daily Vibrated Beam Production

Job No. 026-05VBS-IN

Date 5-22-08

SU M TU W TH F SA

Page 1 of

Prepared by Rolino Chourashi

		BEAM PENETRATION					
Beam #	Time	Down	Depth (ft)	Up	Start/End	Comments	
1	7:51	3.55	25	2.59	40 60 pm	Hard Driving @ 20'	
2	8:12	3.45	25	2.56	40 55	Hard Driving @ 20' safety meeting	
3	8:36	4.06	25	2.43	40 55	Hard Driving @ 15' fuel	
4	8:44	3.48	25	3.04	35 60	Hard Driving @ 15'	
5	8:52	3.47	25	2.50	35 60	Hard Driving @ 15'	
6	9:02	3.39	25 1/2	3.01	35 45	Hard Driving @ 15'	
7	9:10	4.04	25 1/2	3.09	35 50	Hard Driving @ 15'	
8	9:19	3.45	25 1/2	3.24	30 55	Hard Driving @ 15'	
9	9:27	3.35	25 1/2	3.10	30 55	Hard Driving @ 15'	
10	10:11	4.00	25 1/2	2.48	25 45	Hard Driving @ 15' move cranes met + trackline	
1	10:19	3.53	25 1/2	3.02	25 45	Hard Driving @ 15'	
2	10:27	2.59	25 1/2	2.48	35 50	Hard Driving @ 15'	
3	10:34	3.44	25 1/2	2.34	30 50	Hard Driving @ 15'	
4	10:41	4.38	25 1/2	2.36	30 55	Hard Driving @ 15'	
5	10:49	5.00	25 1/2	2.49	30 50	Hard Driving @ 15'	
6	10:58	7.50	25 1/2	2.35	30 65	Hard Driving @ 15'	
7	11:10	9.02	25 1/2	2.38	30 60	Hard Driving @ 15'	
8	11:30	8.44	25 1/2	2.47	30 65	Hard Driving @ 15' trackline	
9	11:43	10.16	25 1/2	2.50	25 75	Hard Driving @ 15'	
20	12:50	15.66	25 1/2	3.33	30 70	Hard Driving @ 15'	

Daily Totals				Comments	74.3 Lin ft
Item	New	Redo	Total		
Beam Total	31				
Avg. Depth (Ft)	25.74				
Linear Footage	74.3				
Square Footage	1912.48				

Slurry Systems, Inc. Daily Vibrated Beam Production

Job No. 026-05VBS-IN

Date 5-22-06

SU TU W TH F SA

Page 2 of

Prepared by Robert W. Edwards

		BEAM PENETRATION					
Beam #	Time	Down	Depth (ft)	Up	Start 1	End	Comments
21	1:12	17:26	25 1/2	2:40	30	60 psi	Hand Driving C15'
2	1:34	14:19	25 1/2	2:53	30	50	Hand Driving C15'
3	1:53	13:21	25	2:48	30	50	Hand Driving C15'
4	2:10	8:24	25	3:30	30	55	Hand Driving C15' used surface
5	2:25	10:15	25	2:35	30	75	Hand Driving C15'
6	2:40	11:05	25	2:55	30	65	Hand Driving C15'
7	2:57	11:14	25	2:42	30	65	Hand Driving C15'
8	3:12	13:52	25	2:21	35	75	Hand Driving C15'
9	3:41	17:54	25	3:03	30	65	Hand Driving C15' Truck time Looked at batch plant and work surface
30	4:20	26:47	25	3:01	30	75	Hand Driving C15'
1	4:51	22:17	25	2:47	30	75	Hand Driving C15'
2							
3							
4							
5							
6							
7							
8							
9							
40							

Daily Totals				Comments
Item	New	Redo	Total	Comments
Beam Total				
Avg. Depth (Ft)				
Linear Footage				
Square Footage				

Slurry Systems, Inc. Daily Vibrated Beam Production

Job No. 026-05VBS-IN

Date 5-23-00

SU M T W TH F SA

Page 1 of

Prepared by Robin in Edward A.

		BEAM PENETRATION					
Beam #	Time	Down	Depth (ft)	Up	Start	End	Comments
1	8:33	12:26	23	3:28	25	80	Hard Driving @ 15'
2	9:15	10:44	23	2:21	40	90	Hard Driving @ 15'
3	9:31	8:11	23	2:47	35	90	Hard Driving @ 15'
4	9:46	14:17	23	2:35	25	65	Hard Driving @ 15'
5	10:04	13:54	23	2:31	25	70	Hard Driving @ 15'
6	10:20	5:15	23	2:45	30	85	Hard Driving @ 15'
7	10:29	7:36	22 1/2	2:21	30	90	Hard Driving @ 20'
8	10:41	7:55	22 1/2	2:34	35	95	Hard Driving @ 15'
9	10:54	9:54	22 1/2	2:40	35	65	Hard Driving @ 15'
10	11:07	8:14	22 1/2	2:16	30	80	Hard Driving @ 15' moved 15'
1	11:42	1:40	21 1/2	1:56	30	40	
2	12:58	2:20	21 1/2	2:10	40	50	
3	1:06	1:35	20	2:16	35	45	
4	1:14	1:40	20	2:12	30	40	
5	1:26	1:35	21	2:01	30	40	
6	1:34	1:14	21	2:0	40	45	
7	1:39	1:09	21	2:02	35	45	clean jet
8	1:45	1:16	21	2:24	30	40	clean jet
9	1:51	1:06	21	1:49	30	40	clean jet
20	1:56	1:15	21	1:57	35	40	clean jet

Daily Totals				Comments
Item	New	Redo	Total	
Beam Total	42			76.71 ft.
Avg. Depth (ft)	21.86			28.6 L. 14 ft.
Linear Footage	105.1			105.1 L. ft.
Square Footage	2297.48			

Slurry Systems, Inc. Daily Vibrated Beam Production

Job No. 026-G5VBS-IN

Date 5-23-00

SU M T W TH F SA

Page 2 of 1

Prepared by Ron W. Simonds

		BEAM PENETRATION					
Beam #	Time	Down	Depth (ft)	Up	Start	End	Comments
1	2:03	1:31	21	1:47	35 _{ps}	40 _{ps}	
2	2:08	1:12	21	1:51	30	45	
3	2:13	1:12	21	2:10	30	40	piaggio
4	2:18	1:09	21	1:53	30	40	
5	2:23	1:50	21	1:45	30	40	rock
6	2:57	1:18	21	1:55	30	45	
7	3:05	1:26	21	2:15	30	40	
8	3:13	1:34	21 ^{1/2}	1:58	25	60	
9	3:17	1:19	21 ^{1/2}	2:13	45	50	
10	3:22	1:25	21 ^{1/2}	2:11	50	65	
1	3:34	1:40	21 ^{1/2}	2:00	45	50	fire line
2	3:40	1:16	21 ^{1/2}	2:08	45	50	clay jet
3	3:49	1:12	21 ^{1/2}	1:55	60	65	
4	3:52	1:50	21 ^{1/2}	2:15	60	65	
5	4:00	1:54	21 ^{1/2}	2:07	60	65	
6	4:04	1:11	21 ^{1/2}	1:58	65	70	
7	4:07	1:11	21 ^{1/2}	2:20	65	75	
8	4:15	1:12	23 ^{1/2}	2:18	65	70	
9	4:16	1:34	23 ^{1/2}	2:39	60	70	
10	4:24	1:18	23 ^{1/2}	2:08	60	65	

Daily Totals				Comments
Item	New	Redo	Total	
Beam Total				
Avg. Depth (Ft)				
Linear Footage				
Square Footage				

Slurry Systems, Inc. Daily Vibrated Beam Production

Job No. 026-05VBS-IN

Date 5-23-06

SU M TU W TH F SA

Page 3 of _____

Prepared by Robert Eberly

		BEAM PENETRATION						
Beam #	Time	Down	Depth (ft)	Up	Start	End	Comments	
1	4:28	1:22	23 $\frac{1}{2}$	2:07	60	70 $\frac{1}{2}$		
2	4:33	1:30	23 $\frac{1}{2}$	1:55	60	75		
3								
4								
5								
6								
7								
8								
9								
10								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

Daily Totals				Comments
Item	New	Redo	Total	Comments
Beam Total				
Avg. Depth (Ft)				
Linear Footage				
Square Footage				

Slurry Systems, Inc. Daily Vibrated Beam Production

Job No. 026-05VBS-IN

Date 5-24-66

S U M T U W TH F SA

Page 1 of _____

Prepared by Lilburn Elmore Jr.

		BEAM PENETRATION					
Beam #	Time	Down	Depth (ft)	Up	start	End	Comments
1	8:11	1.40	2 7/8	2:23	40	45	
2	8:17	1.42	2 3/8	2:36	30	40	
3	8:23	1.44	2 3/8	2:40	35	40	
4	8:30	1.23	2 3/8	2:26	30	40	clean jet
5	8:37	1.28	2 3/8	2:44	30	40	clean jet
6	8:44	1.19	2 3/8	2:30	30	40	
7	8:49	1.07	2 3/8	2:35	30	40	
8	8:56	1.02	2 3/8	2:15	35	40	
9	9:01	1.15	2 3/8	1.58	30	40	
10	9:05	1.33	2 3/8	2:21	30	40	clean jet
1	9:12	1.17	2 3/8	2:05	35	40	
2	9:16	1.29	2 3/8	2:03	35	40	
3	9:21	1.09	2 3/8	2:01	35	40	
4	9:26	1.49	2 3/8	2:15	35	45	
5	9:31	1.58	2 3/8	2:06	35	45	
6	9:35	1.51	2 3/8	2:08	35	40	
7	9:38	1.56	23	1:59	35	45	
8	9:43	1.53	23	1.58	35	55	
9	10:16	3:08	23	4:50	35	60	+ turned 90° around
20	10:26	1.14	23	2:18	25	60	

Daily Totals				Comments
Item	New	Redo	Total	Comments
Beam Total	58			
Avg. Depth (Ft)	23.19			
Linear Footage	136.4			
Square Footage	3164.11			

Slurry Systems, Inc. Daily Vibrated Beam Production

Job No. 026-05VBS-IN

Date 5-24-06

S U M T U W F S A

Page 2 of

Prepared by Ruben W. Edwards Jr.

		BEAM PENETRATION							
Beam #	Time	Down	Depth (ft)	Up	start	End	Comments		
21	10:31	1:52	23	2:40	35	60			
2	10:39	1:53	23	2:35	30	60		clean jet	
3	10:45	1:49	23½	2:15	30	60			
4	10:50	1:02	23½	2:25	30	55			
5	10:55	1:55	23½	2:23	30	55		wood surface	
6	11:00	1:07	23½	2:19	30	60			
7	11:05	1:52	23½	2:03	40	60			
8	11:09	1:15	23½	2:13	40	55			
9	11:14	1:05	23½	2:14	40	50		wood surface	
30	11:19	1:58	23½	2:11	30	50			
1	11:23	1:51	23½	2:04	30	50			
2	11:28	1:54	23½	2:12	30	45		"	
3	11:33	1:35	23½	2:01	35	45		Moved rig Back to site	
4	12:43	4:02	22½	2:11	35	90		Hand Driving @ 15°	
5	12:51	3:50	22½	2:13	35	90		Hard Driving @ 15°	
6	1:06	2:54	22½	2:37	50	75		Hard Driving @ 15°	
7	1:13	2:37	22½	2:22	35	65		Hand Driving @ 15°	
8	1:19	2:37	23	2:26	40	85		Hard Driving @ 20°	
9	1:27	2:28	23	2:40	35	80		Hard Driving @ 20°	
40	1:34	1:32	23	2:15	35	65			

Daily Totals				Comments
Item	New	Redo	Total	
Beam Total	58			
Avg. Depth (Ft)				
Linear Footage				
Square Footage				

Slurry Systems, Inc. Daily Vibrated Beam Production

Job No. 026-05VBS-IN

Date 5-24-06

SU M TU W TH F SA

Page 3 of

Prepared by Patricia C. Chastain

BEAM PENETRATION								
Beam #	Time	Down	Depth (ft)	Up	Start	End	Comments	
41	1:39	1:32	23	2:35	35 psi	75 psi		
2	1:55	1:16	23	2:21	40	60		Tire. Eng. worn
3	2:02	1:01	23	2:02	40	85		
4	2:06	1:29	23	2:48	40	80		Cleaned jet
5	2:15	1:34	23	2:32	40	75		
6	2:20	2:00	23	2:45	45	90		
7	2:26	2:23	23	1:59	45	95		Hard Driving @ 20°
8	2:33	2:21	23	1:58	45	95		Hard Driving @ 20°
9	2:39	3:34	23	1:57	40	95		Hard Driving @ 20°
50	2:46	6:09	23	2:12	30	80		Hard Driving @ 20°
1	2:57	3:50	23	2:32	45	80		Hard Driving @ 20°
2	3:05	2:20	23	2:29	35	85		Hard Driving @ 20°
3	3:11	1:28	23	1:58	40	55		
4	3:16	1:11	23	2:30	40	60		
5	3:24	1:38	23	1:58	40	95		moving crate out
6	4:42	9:00	23	2:27	40	80		Hard Driving @ 15°
7	4:55	5:56	23	2:22	35	80		Hard Driving @ 15°
8	5:05	7:34	23	2:30	40	85		Hard Driving @ 15°
9								
60								

Daily Totals				Comments
Item	New	Redo	Total	
Beam Total				8.9 ft
Avg. Depth (Ft)				48 Lin ft
Linear Footage				79.7
Square Footage				136.4 Lin ft

Slurry Systems, Inc. Daily Vibrated Beam Production

Job No. 026-05VBS-IN

Date 5-25-06

SU M T U W TH F

Page 1 of _____

Prepared by Robin W. Chastain Jr.

BEAM PENETRATION							
Beam #	Time	Down	Depth (ft)	Up	Start	End	Comments
1	7:51	12:35	2 3	2.45	40	85	Hard Driving @ 15'
2	8:08	14:14	2 3/2	2.34	35	90	Hard Driving @ 15' Fix Dike
3	9:04	9:53	2 3/2	2.48	35	80	Hard Driving @ 15' cleaned set
4	9:18	5:17	2 3/2	2.42	35	80	Hard Driving @ 15'
5	9:28	8:14	2 3/2	2.46	40	80	Hard Driving @ 15'
6	9:41	15:07	2 3/2	3.01	40	80	Hard Driving @ 15' near surface
7	10:06	16:25	2 3/2	2.34	35	90	Hard Driving @ 15' cleaned set
8	10:27	12:27	2 3/2	2.48	40	85	Hard Driving @ 15'
9	10:55	15:49	2 3/2	2.15	40	60	Hard Driving @ 15' cleaned set
10	11:16	10:06	2 3/2	2.30	35	80	Hard Driving @ 15' cleaned set
1	11:30	19:22	2 4/2	2.25	35	80	Hard Driving @ 15'
2	12:47	13:16	2 4/2	2.59	35	85	Hard Driving @ 15'
3	1:08	17:32	2 4/2	2.48	35	80	Hard Driving @ 15' cleaned set
4	1:55	18:40	2 5/2	2.51	30	80	Hard Driving @ 15'
5	2:22	15:39	2 4/2	2.55	30	85	Hard Driving @ 15' root surface
6	2:43	13:53	2 4/2	2.54	35	80	Hard Driving @ 15'
7	3:01	17:11	2 4/2	2.22	40	85	Hard Driving @ 15'
8	3:24	7:00	2 4/2	2.36	40	60	Hard Driving @ 15'
9							
20							

Daily Totals				Comments
Item	New	Redo	Total	
Beam Total	18			42 Lin ft.
Avg. Depth (Ft)	23.88			
Linear Footage	42			
Square Footage	1003.96			

Slurry Systems, Inc. Daily Batchplant Production

Job No. 018-04VBS-IL

Date 3/15/08

SU M TU W TH F SA

Page _____ of _____

Prepared by:

		SLURRY MIX			MIXING TIME		Quality Control	
Batch No.	Time of day	Water (cu. ft.)	Clay (Lbs/Bags)	Cement (Lbs/Bags)	Clay (min)	Cement (min)		
1	1045	580	6	7	35	35	Batch No.	2
2	1137	580	6	7	35	35	MF (sec)	45
3	1201	580	6	7	35	35	Sp. Wt.	69
4	227	580	6	7	35	35	pH	
5	3102	580	6	7	35	35	Batch No.	5
6	358	580	6	7	3	3	MF (sec)	39
7							Sp. Wt.	73
8							pH	
9							Batch No.	
0							MF (sec)	
1							Sp. Wt.	
2							pH	
3							Batch No.	
4							MF (sec)	
5							Sp. Wt.	
6							pH	
7							Batch No.	
8							MF (sec)	
9							Sp. Wt.	
0							pH	
DAILY TOTALS							Comments	
Batch Total	6							
Cubic Feet/Batch	81							
Total Cubic Feet	486							

Slurry Systems, Inc. Daily Batchplant Production

Job No. 026-05VBS-IN

Date 5/16/00

Page _____ of _____

Prepared by: Eni T. Meltzer

S U M T U W TH F S A

		SLURRY MIX			MIXING TIME	
Batch No.	Time of day	Water (cu. ft.)	Clay (Lbs/Bags)	Cement (Lbs/Bags)	Clay (min)	Cement (min)
1	8:05	580	6	7	3	3
2	12:38	580	6	7	3	3
3	1:00p	580	6	7	3	3
4	1:37	580	6	7	2	3
5	1:45	580	6	7	3	3
6	2:09	580	6	7	3	3
7	2:40	580	6	7	3	3
8	3:01	580	6	7	3	3
9	3:33	580	6	7	3	3
0	3:50	580	6	7	3	3
1	4:20	580	6	7	3	3
2						
3						
4						
5						
6						
7						
8						
9						
0						

DAILY TOTALS

Batch Total	11
Cubic Feet/Batch	81
Total Cubic Feet	891

Comments

Comments

Slurry Systems, Inc. Daily Batchplant Production

Job No. 026-05VBS-IN

Date 5/17/06

SU M TU W TH F SA

Page _____ of _____

Prepared by: Phil Mull, w3

		SLURRY MIX			MIXING TIME		Quality Control	
Batch No.	Time of day	Water (cu. ft.)	Clay (Lbs/Bags)	Cement (Lbs/Bags)	Clay (min)	Cement (min)	Batch No.	MF (sec)
1	7:45	580	6	7	3	3	Batch No. 8	MF (sec) 47
2	8:00	580	6	7	3	3	Sp. Wt. 70	pH 7.8
3	8:46	580	6	7	3	3		
4	9:00	580	6	7	3	3		
5	9:30	580	6	7	3	3	Batch No. 10	MF (sec) 46
6	11:17	580	6	7	3	3	Sp. Wt. 70	pH
7	11:44	580	6	7	3	3		
8	12:55	580	6	7	3	3		
9	1:15	580	6	7	3	3		
0	1:35	580	6	7	3	3		
1	2:20	380	6	7	3	3	Batch No. 11	MF (sec) 45
2	3:05	380	6	7	3	3	Sp. Wt. 70	pH
3	3:55	380	6	7	3	3		
4								
5								
6								
7								
8								
9								
0								

DAILY TOTALS	
Batch Total	13
Cubic Feet/Batch	81
Total Cubic Feet	1053

Comments

Slurry Systems, Inc. Daily Batchplant Production

Job No. 026-05VBS-IN

Date 5/18/06

SU M TU W TH F SA

Page _____ of

Prepared by: Phil Miller

SLURRY MIX			MIXING TIME		Quality Control	
Batch No.	Time of day	Water (cu. ft.)	Clay (Lbs/Bags)	Cement (Lbs/Bags)	Clay (min)	Cement (min)
1	735	580	6	7	3	3
2	754	580	6	7	3	3
3	710	580	6	7	3	3
4	845	580	6	7	3	3
5	920	580	6	7	3	3
6	940	580	6	7	3	3
7	1005	580	6	7	3	3
8	1030	580	6	7	3	3
9	1045	580	6	7	3	3
0	1140	580	6	7	3	3
1	200	580	6	7	3	3
2	217	580	6	7	3	3
3	200	520	6	7	3	3
4						
5						
6						
7						
8						
9						
0						
DAILY TOTALS			Comments			
Batch Total	13					
Cubic Feet/Batch	81					
Total Cubic Feet	1053					

Slurry Systems, Inc. Daily Batchplant Production

Job No. 026-05VBS-IN

Date 05/19/06

SU M TU W TH F SA

Page _____ of _____

Prepared by: fmj/Mellus

		SLURRY MIX			MIXING TIME		Quality Control	
Batch No.	Time of day	Water (cu. ft.)	Clay (Lbs/Bags)	Cement (Lbs/Bags)	Clay (min)	Cement (min)		
1	720	580	6	7	3	3	Batch No.	4
2	740	580	6	7	3	3	MF (sec)	49
3	840	580	6	7	3	3	Sp. Wt.	70
4	915	580	6	7	3	3	pH	
5	945	580	6	7	3	3	Batch No.	9
6	1021	580	6	7	3	3	MF (sec)	45
7	1047	580	6	7	3	3	Sp. Wt.	69
8	1130	580	6	7	3	3	pH	
9	1235	580	6	7	3	3	Batch No.	
0	105	580	6	7	3	3	MF (sec)	
1	125	580	6	7	3	3	Sp. Wt.	
2	150	580	6	7	3	3	pH	
3	215	580	6	7	3	3	Batch No.	
4	235	580	6	7	3	3	MF (sec)	
5	255	580	6	7	3	3	Sp. Wt.	
6	320	580	6	7	3	3	pH	
7								
8								
9								
0								

DAILY TOTALS	
Batch Total	16
Cubic Feet/Batch	31
Total Cubic Feet	1296

Comments	

Slurry Systems, Inc. Daily Batchplant Production

Job No. 026-05VBS-IN

Date 5/20/06

SU M TU W TH F SA

Page _____ of _____

Prepared by: D. J. M. W. S.

Batch No.	Time of day	SLURRY MIX			MIXING TIME		Quality Control
		Water (cu. ft.)	Clay (Lbs/Bags)	Cement (Lbs/Bags)	Clay (min)	Cement (min)	
1	720	580	6	7	3	3	Batch No. 4
2	745	580	6	7	3	2	MF (sec) 47
3	803	580	6	7	3	3	Sp. Wt. 69
4	845	580	6	7	3	3	pH
5	915	580	6	7	3	3	Batch No. 10
6	940	580	6	7	3	3	MF (sec) 49
7	1015	580	6	7	3	3	Sp. Wt. 69
8	1100	580	6	7	3	3	pH 7.8
9	1145	580	6	7	3	3	Batch No.
0	1225	580	6	7	3	3	MF (sec)
1	205	580	6	7	3	3	Sp. Wt.
2							pH
3							Batch No.
4							MF (sec)
5							Sp. Wt.
6							pH
7							Batch No.
8							MF (sec)
9							Sp. Wt.
0							pH

DAILY TOTALS	
Batch Total	11
Cubic Feet/Batch	81
Total Cubic Feet	891

Comments

Slurry Systems, Inc. Daily Batchplant Production

Job No. 026-05VBS-IN

Date 5/23/06 SU M TU W TH F SA

Page _____ of _____

Prepared by: *Paul Miller*

		SLURRY MIX			MIXING TIME	
Batch No.	Time of day	Water (cu. ft.)	Clay (Lbs/Bags)	Cement (Lbs/Bags)	Clay (min)	Cement (min)
1	720	580	6	7	3	3
2	730	580	6	7	3	3
3						
4	931	580	6	7	3	3
5	1000	580	6	7	3	3
6	1014	580	6	7	3	3
7	1141	580	6	7	3	3
8	115	580	6	7	3	3
9	205	580	6	7	3	3
0	245	580	6	7	3	3
1	330	580	6	7	3	3
2						
3						
4						
5						
6						
7						
8						
9						
0						

DAILY TOTALS	
Batch Total	80
Cubic Feet/Batch	81
Total Cubic Feet	810

Comments	

Slurry Systems, Inc. Daily Batchplant Production

Job No. 026-05VBS-IN

Date 5/23/66

S U M T U W T H F S A

Page _____ of _____

Prepared by: *Pete Mullins*

Batch No.	Time of day	SLURRY MIX		MIXING TIME	
		Water (cu. ft.)	Clay (Lbs/Bags)	Cement (Lbs/Bags)	Clay (min)
1	830	580	6	7	3 3
2	845	580	6	7	3 3
3	916	580	6	7	3 3
4	925	580	6	7	3 3
5	945	580	6	7	3 3
6	1035	580	6	7	3 3
7	130	580	6	7	3 3
8	150	580	6	7	3 3
9	330	580	6	7	2 1/2 2 1/2
0	350	580	6	7	2 1/2 2 1/2
1	405	580	6	7	2 1/2 2 1/2
2					
3					
4					
5					
6					
7					
8					
9					
0					

DAILY TOTALS	
Batch Total	11
Cubic Feet/Batch	81
Total Cubic Feet	891

Comments

Quality Control	
Batch No.	3
MF (sec)	49
Sp. Wt.	69
pH	
Batch No.	9
MF (sec)	47
Sp. Wt.	69
pH	
Batch No.	
MF (sec)	
Sp. Wt.	
pH	
Batch No.	
MF (sec)	
Sp. Wt.	
pH	

Slurry Systems, Inc. Daily Batchplant Production

Job No. 026-05VBS-IN

Date 5/24/06

SU M TU W TH F SA

Page _____ of _____

Prepared by: Phyllis Williams

Batch No.	Time of day	SLURRY MIX			MIXING TIME		Quality Control
		Water (cu. ft.)	Clay (Lbs/Bags)	Cement (Lbs/Bags)	Clay (min)	Cement (min)	
1	7:25	580	6	7	3	3	Batch No. <u>2</u>
2	7:35	580	6	7	3	3	MF (sec) <u>49</u>
3	8:25	580	6	7	3	3	Sp. Wt. <u>69</u>
4	9:08	580	6	7	3	3	pH
5	10:48	580	6	7	3	3	Batch No. <u>11</u>
6	11:15	580	6	7	3	3	MF (sec) <u>44</u>
7	11:35	580	6	7	3	3	Sp. Wt. <u>69</u>
8	12:55	580	6	7	3	3	pH
9	1:10	580	6	7	3	3	Batch No.
0	1:30	580	6	7	3	3	MF (sec)
1	2:16	580	6	7	245	245	Sp. Wt.
2	2:30	580	6	7	245	245	pH
3	3:05	580	6	7	245	245	Batch No.
4	3:30	580	6	7	245	245	MF (sec)
5			(84)	(98)			Sp. Wt.
6							pH
7							
8							
9							
0							

DAILY TOTALS	
Batch Total	<u>14</u>
Cubic Feet/Batch	<u>81</u>
Total Cubic Feet	<u>1134</u>

Comments

Slurry Systems, Inc. Daily Batchplant Production

Job No. 026-05VBS-IN

Date 5/25/16

Page 1 of 1

Prepared by: Due Mullins

SU M TU W TH F SA

		SLURRY MIX			MIXING TIME	
Batch No.	Time of day	Water (cu. ft.)	Clay (Lbs/Bags)	Cement (Lbs/Bags)	Clay (min)	Cement (min)
1	720	580	6	7	3	3
2	730	580	6	7	3	3
3	915	580	6	7	3	3
4	1030	580	6	7	245	245
5	1140	580	6	7	245	245
6	120	580	6	7	230	230
7	300	580	6	7	230	230
8						
9						
0						
1						
2						
3						
4						
5						
6						
7						
8						
9						
0						

DAILY TOTALS	
Batch Total	7
Cubic Feet/Batch	81
Total Cubic Feet	567

Comments	

Slurry Systems, Inc. Daily Batchplant Production

Job No. 026-05VBS-IN

Date 6-3-06

SU M TU W TH F SA

Page 1 of _____

Prepared by:

Batch Preparation		SLURRY MIX			MIXING TIME		Quality Control	
Batch No.	Time of day	Water (cu. ft.)	Clay (Lbs/Bags)	Cement (Lbs/Bags)	Clay (min)	Cement (min)	Batch No.	MF (sec)
1		580	6	7	3	3		
2		580	6	7	3	3		
3		580	6	7	3	3		
4		580	6	7	3	3		
5		580	6	7	3	3		
6		580	6	7	3	3		
7		580	6	7	3	3		
8		580	6	7	3	3		
9								
0								
1								
2								
3								
4								
5								
6								
7								
8								
9								
0								

DAILY TOTALS	
Batch Total	8
Cubic Feet/Batch	81
Total Cubic Feet	648

Comments	
	FOR PIPES
	SOLD ONE PALLET CEMENT TO ENVIRON 40 BAGS

Slurry Systems, Inc. Vibrated Beam Production Summary

Job No. 026-05VBS-IN

From Date 5/15/06 to Date _____

Page 1 of 1

Prepared by: JLW

Slurry Systems, Inc. Material Control

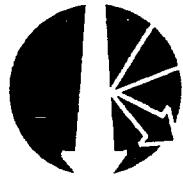
Job No. 026-05VBS-IN

Date 6-15-06

Page 1 of 1

Prepared by: S.L.S

SUM TU W TH F SA

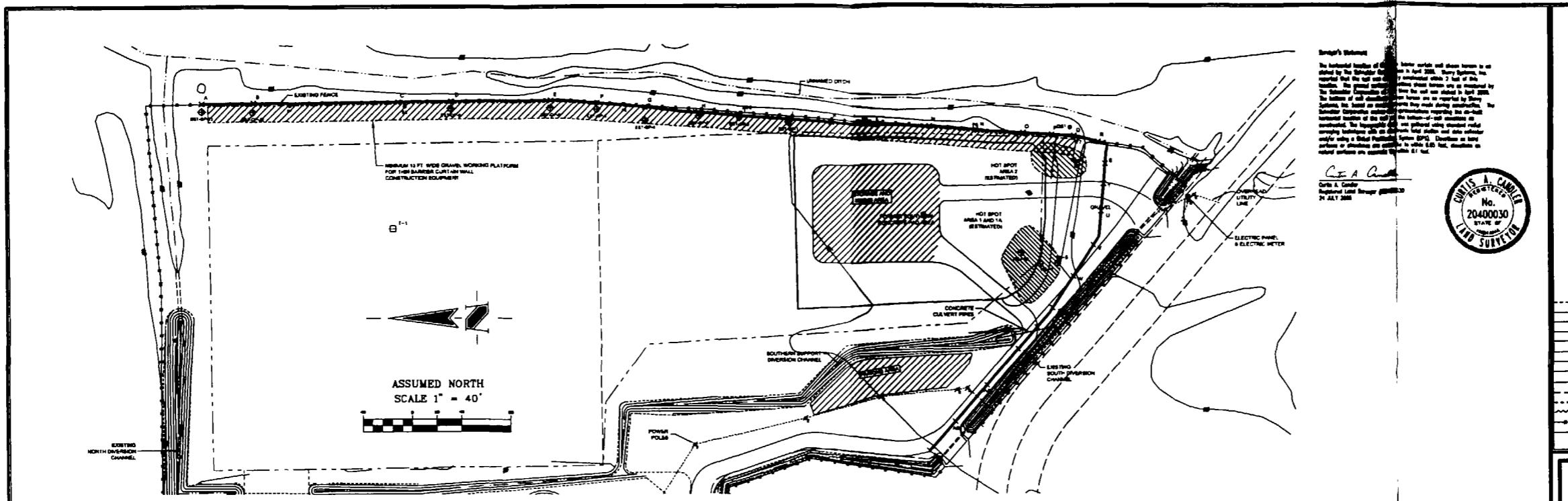


Slurry Systems Inc.
THE DRIVING FORCESM

APPENDIX C:
AS-BUILT

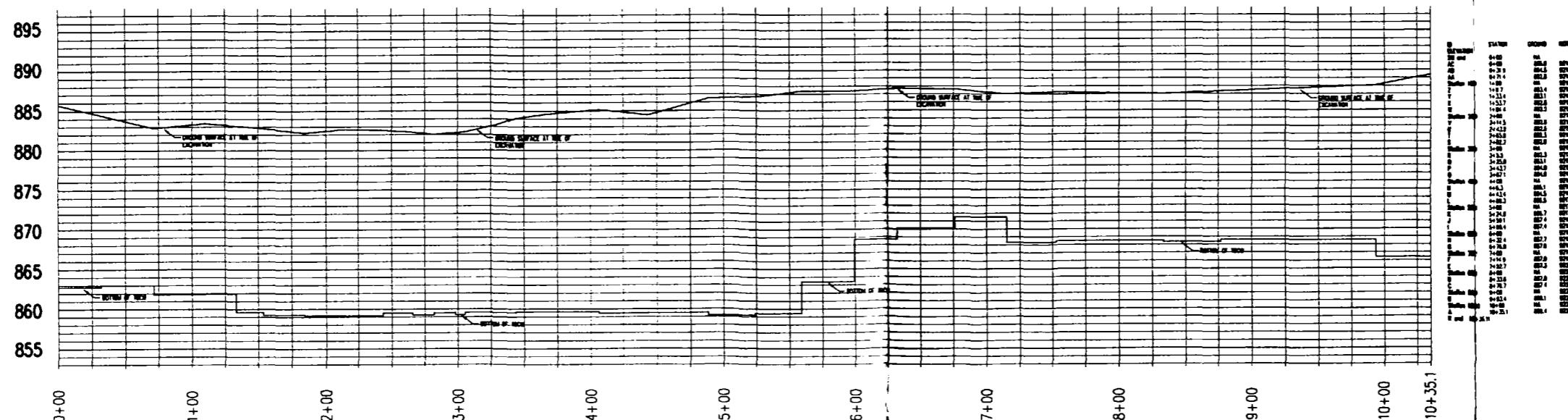
**FINAL COMPLETION REPORT
FOR
VIBRATED BEAM SLURRY WALL**

**ENVIRO-CHEM CORPORATION
ZIONSVILLE, IN**



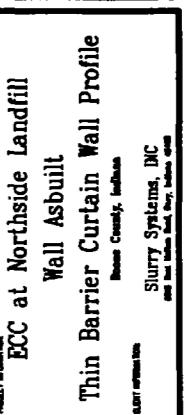
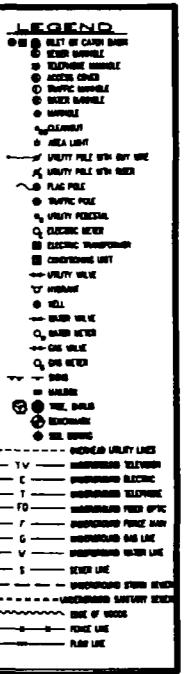
EXISTING GROUND PLAN

SCALE: 1" = 40'



EXISTING PROFILE AT TBCW LINE

SCALE: HORZ.: 1" = 40'
VERT.: 1" = 4'



7 July 2008	PROJECT NO. 799.010
SEARCHED BY CAC	INDEXED BY
EVIDENCE: Digital - Digital - CAC - Add markings and routing to file.	
SEARCHED BY http://10.0.0.100:7000/search.asp	
INDEXED BY 1	